

**Department of Energy - Office of Science  
Academies Creating Teacher Scientists Program  
Guidelines for Education Artifacts**

DOE ACTS provides you with experiences in authentic scientific research; these experiences are expected to affect how you teach and what you teach within your particular STEM discipline. Your research experience must be reflected in and transferable to classroom practice and/or leadership activities in accordance with your professional development plan (PDP). Education artifacts are the products or activities that you will produce or report on to provide evidence of such transfer and/or your growth as a leader.

You may produce or report on several education artifacts independently and/or with other ACTS teachers. Each artifact, however, must relate to your individual PDP and be noted therein. Education artifacts can take various forms but should show evidence of contributions to producing one or more of the following outcomes, each of which provides a structure for measuring attainment of stated professional development goals.

1. Increased knowledge regarding the nature and practice of science and the protocols of scientific research.
2. Increased capacity to translate the practice of science to the teaching and learning of STEM disciplines.
3. Increased involvement in DOE mission science through ongoing knowledge exchange with national Laboratory researchers.
4. Increased leadership that contributes to STEM education reform.

All Education Artifacts must demonstrate a clear connection to DOE mission science and effectively communicate scientific content knowledge to students and/or a broader audience. Education Artifacts may be adjusted, updated and revised throughout the three year ACTS commitment with the guidance and support of the Master Teacher using the criteria checklist, rubrics and any suggested templates provided.

Note: Some education artifacts may be selected to showcase the accomplishments of ACTS teachers on DOE or Laboratory websites and in DOE publications. Artifacts chosen for such purposes may be subject to additional standards and requirements and therefore may require some revision. If your artifact is chosen for publication, your Master Teacher will provide any guidance needed in making any required revisions.

Examples of possible Education Artifacts include:

1. Lesson plans
2. Unit plans
3. Presentations
4. Posters
5. Field trip designs
6. Professional development activities provided to other teachers
7. Journal article submissions
8. Informal science and community science events
9. Websites or other electronic media

Education artifacts should not include:

1. Photocopies or scans of books or other copyrighted material, unless documented permission of use is provided
2. Lists of page numbers and problem numbers from text books as student activities
3. Plagiarism
4. References (photographic or written) to identifiable students, unless documented legal release is provided